INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/001519

A. CLASSIFICATION OF SUBJECT MATTER			
IPC7 F17C 13/12			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
IPC7 F17C 13/12			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Korean Patents and applications for inventions since 1975			
Korean Utility models and appliactions for Utility models since 1975			
Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used)			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where app	Relevant to claim No.	
X	US 4721224 A (NITTOSEIKI KABUSHIKI KAISHA) 26 JUNE 1988 See the Fig.9 and column 3 line 31- column 4 line 14.		1, 4, 5
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A	US 5249701 A (RAY J. VAN THYNE; CHRISTIAN F.KINKEL&MATERIALS ENGINEERING, INC.) 5 OCT 1993		1-5
	See the whole document.		
	JP 8-145298 A (KOIKEKAGAKUKK) 7JUNE 19	04	1-5
A	See the whole document.	90	1-3
AND CHANGES A CHIRDLE CHIRDLES AND THE 1999			1-5
A	A US 5121858 A (WUN C. CHONG) 16 JUNE 1992 See the whole document.		"
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Further documents are listed in the continuation of Box C. See patent family annex.			
* Special categories of cited documents: "T° later document published after the international filing date or priority			
*A" document defining the general state of the art which is not considered date and not in conflict with the application but cited to understar to be of particular relevance the principle or theory underlying the invention			
"E" earlier application or patent but published on or after the international "X" document of particular relevance; the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive			
"L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone			
		"Y" document of particular relevance; the claim considered to involve an inventive step w	
<u> </u>		combined with one or more other such doct being obvious to a person skilled in the art	ments, such combination
"P" document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed			•
Date of the actual completion of the international search Date of mailing of the international search report			
14 OCTOBER 2004 (14.10.2004)		15 OCTOBER 2004 (15.10.2004)	
Name and ma	iling address of the ISA/KR	Authorized officer	
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